

EMPLOYEE TRAINING RECORD		
TRAINING TITLE Trench Shoring and Shielding Saves Money		
<div style="text-align: center;">KEY TEACHING POINTS</div> <p>JOB PLANNING IS ABOUT SAFETY AND ECONOMICS</p> <ul style="list-style-type: none"> Picking the right trench protection equipment for a particular job saves money. Having the equipment available on site allows crews to work safely, speed up production and lowers costs. Pre-engineered systems eliminate the guesswork and the cost of custom engineering. Modular shoring and shielding systems make installations fast and easy, without cutting, welding, nailing or other time-consuming methods. <p>AVOID COSTLY REPAIRS</p> <ul style="list-style-type: none"> The cost of repairing existing utility lines or infrastructure damaged because of improper trench support can be astronomical. A cave-in not only endangers worker safety, it affects existing infrastructure in the areas. <p>REDUCES SOIL REMOVAL AND REPLACEMENT COSTS</p> <ul style="list-style-type: none"> A 10-ft deep, 4-ft wide, 50-ft long trench requires the removal of 74 cu. yds. of dirt if shoring or a trench box is used. If the same trench is slopped for type A soil, 139 cu. yds. must be removed. For type B soil, 185 cu. yds. would be removed and for type C soil, 278 cu. yds. Slopping also takes longer than vertical cuts. Other savings are attained when filling, compacting, and resurfacing the trench. <p>REDUCES WORKERS' COMPENSATION CLAIMS</p> <ul style="list-style-type: none"> Workers' compensation claims are reduced because of improved safety record. <p>AVOIDS DAMAGE TO ADJACENT PROPERTY</p> <ul style="list-style-type: none"> Loss of adjacent pavement, curbs, sidewalks, and ornamental ground cover are common costs when shoring or shields are not used. <p>REDUCES DISPOSAL COSTS</p> <ul style="list-style-type: none"> Disposal of soil and debris is an expensive part of some projects. Reducing the amount of soil excavated eliminates unnecessary expenses. <p>REDUCES UNSAFE CONDITIONS WHILE INCREASING PRODUCTIVITY</p> <ul style="list-style-type: none"> Crews working in unsafe excavations are not as productive as they could be. Unprotected workers work slowly when they have to keep a wary eye on unstable excavation walls. Also their quality of work will improve. 		
TEST		
QUESTION	ANSWERS	
	TRUE	FALSE
1. Proper shoring and shields reduce costs.		
2. You have to dig out the same amount of dirt regardless of what method you use to protect employees.		
3. Disposal costs are just another cost of doing business.		
4. Employees are more productive when they aren't looking over their shoulder.		
5. The infrastructure is safer when you use shoring and shields.		
EMPLOYEE'S NAME	EMPLOYEE'S SIGNATURE	DATE
INSTRUCTOR'S NAME	INSTRUCTOR'S SIGNATURE	DATE